

ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA

VOLUME XI

EDITORS

L. E. CHADWICK (U.S.A.)
P. GRISON (France)
P. A. VAN DER LAAN (Netherlands)
K. MELLANBY (Great Britain)
T. E. MITTLER (U.S.A.)
H. J. MÜLLER (Deutschland)
F. J. OPPENOORTH (Netherlands)
J. DE WILDE (Netherlands)



NORTH-HOLLAND PUBLISHING COMPANY — AMSTERDAM

1968

Copyright 1958 by Nederlandsche Entomologische Vereeniging

All rights reserved. No part of this book may be reproduced or translated in any form, by print, photoprint, microfilm or any other means without written permission from the publisher.



PRINTED IN THE NETHERLANDS

CONTENTS OF VOLUME 11 (1968)

ABUSHAMA, F. T., Rhythmic activity of the grasshopper <i>Poeciloceris hieroglyphicus</i> (Acrididae: Pyrgomorphinae)	341
ALIKHAN, M. A., Amino acid requirements of the cotton stainer, <i>Dysdercus fasciatus</i> (Pyrrhocoridae, Hemiptera)	43
AMOS, T. G., The effect of light on the humidity reactions of <i>Carpophilus dimidiatus</i> and <i>Tribolium castaneum</i>	331
ANDERSON, J. F., Influence of photoperiod and temperature on the induction of diapause in <i>Aedes atropalpus</i> (Diptera: Culicidae)	321
ANKERSMIT, G. W., The photoperiod as a control agent against <i>Adoxophyes reticulana</i> (Lepidoptera: Tortricidae)	231
BAKER, J. E. & NORRIS, D. M., Behavioral responses of the smaller european elm bark beetle, <i>Scolytus multistriatus</i> , to extracts of nonhost tree tissues	464
BANKS, C. J., Effects of insect predators on small populations of <i>Aphis fabae</i> in the field	169
BURT, P. E. & LORD, K. A., The influence of penetration, distribution, sorption and decomposition on the poisoning of the cockroach <i>Periplaneta americana</i> treated topically with diazoxon	55
DAVIDSON, R. L. & ROBERTS, R. J., Influence of plants, manure, and soil moisture on survival and liveweight gain of two scarabaeid larvae . . .	305
DE REGGI, L., Survie de <i>Myzus persicae</i> (Aphididae) à un traitement thermique, selon la température post-opératoire	372
DEMPSTER, J. P., The sublethal effect of DDT on the rate of feeding by the ground-beetle <i>Harpalus rufipes</i>	51
ELBRADY, E. A. & ELBENHAWY, E. M., The effect of non-prey food, mainly pollen, on the development, survival, and fecundity of <i>Amblyseius gossipi</i> (Acarina: Phytoseiidae)	269
— & —, The effect of pollen feeding on the predatory efficiency of <i>Amblyseius gossipi</i> (Acarina: Phytoseiidae)	273
FREE, J. B. & RACEY, P. A., The effect of the size of honeybee colonies on food consumption, brood rearing and the longevity of the bees during winter	241
GÄRDEFORS, D., The reactions of three species of grasshopper to simple visual stimuli at different temperature-humidity conditions	185
GIANNOTTI, J., VAGO, C., DEVAUCHELLE, G. & MARCHOUX, G., Recherches sur les microorganismes de type mycoplasme dans les cicadelles vectrices et dans les végétaux atteints de jaunisses	471
GIL, L., FINE, B. C., DINAMARCA, M. L., BALAZS, I., BUSVINE, J. R. & AGOSIN, M., Biochemical studies on insecticide resistance in <i>Musca domestica</i>	15
GOTHILF, S. & WAITES, R. E., Inhibition of growth and increased mortality of Mexican Bean Beetle larvae fed with thiamine and pyridoxine antagonists and reversal of effect with vitamin supplementation	261

HECHT, O., MUÑIZ, R. & NAVA, A., Contrary responses of <i>Musca domestica</i> concerning their selection of different shades and hues	1
HELLE, W., Genetic variability of photoperiodic response in an arrhenotokous mite (<i>Tetranychus urticae</i>)	101
JERMY, T., HANSON, F. E. & DETHIER, V. G., Induction of specific food preference in Lepidopterous larvae	211
KEHAT, M., The feeding behaviour of <i>Pharoscymnus numidicus</i> (Coccinellidae), predator of the date palm scale <i>Parlatoria blanchardi</i>	30
KIRKWOOD, A. C., Some observations on the feeding habits of the poultry mites <i>Dermanyssus gallinae</i> and <i>Liponyssus sylviarum</i>	315
LEONARD, D. E., Effects of density of larvae on the biology of the Gypsy Moth, <i>Porthetria dispar</i>	291
MILLER, T. & METCALF, R. L., The cockroach heart as a bioassay organ	455
MOOK, J. H. & BRUGGEMAN, Christina G., Acoustical communication by <i>Lipara lucens</i> (Diptera, Chloropidae)	397
MÜLLER, H. J., Über die Ursachen der unterschiedlichen Resistenz von <i>Vicia faba</i> L. gegenüber der Bohnenblattlaus, <i>Aphis (Doralis) fabae</i> Scop. X	355
MURRAY, D. R. P., The importance of water in the normal growth of larvae of <i>Tenebrio molitor</i>	149
NAYAR, J. K. & SAUERMAN, D. M., Jr., Larval aggregation formation and population density interrelations in <i>Aedes taeniorhynchus</i> , their effects on pupal ecdysis and adult characteristics at emergence	423
NEITZEL, K. & RAEUBER, A., Ökologische Untersuchungen an Aphiden. I. Über die Temperaturverträglichkeit virginoparer <i>Myzus persicae</i> bei konstanten Temperaturen auf Kohlrüben	115
ODHIAMBO, T. R., The effects of mating on egg production in the cotton stainer, <i>Dysdercus fasciatus</i>	379
OPPENORTH, F. J. & HOUX, N. W. H., DDT resistance in the housefly caused by microsomal degradation	81
PENER, M. P., The effect of corpora allata on sexual behaviour and "Adult Diapause" in males of the Red Locust	94
PROKOPY, R. J., Visual responses of apple maggot flies, <i>Rhagoletis pomonella</i> (Diptera : Tephritidae): orchard studies	403
SAWICKI, R. M. & FARNHAM, A. W., Genetics of resistance to insecticides of the SKA strain of <i>Musca domestica</i> . III. Location and isolation of the factors of resistance to dieldrin	133
SERVICE, M. W., Observations on feeding and oviposition in some British mosquitoes	277
—, Some environmental effects on blood-fed hibernating <i>Culiseta annulata</i> (Diptera : Culicidae)	286
SINOIR, Y., Étude de quelques facteurs conditionnant la prise de nourriture chez les larves du criquet migrateur, <i>Locusta migratoria migratorioides</i> (Orthoptera, Acrididae) I. Facteurs externes	195
—, Étude de quelques facteurs conditionnant la prise de nourriture chez	

les larves du criquet migrateur, <i>Locusta migratoria migratorioides</i> (Orthoptera, Acrididae) II. Facteurs internes	443
SØMME, L., The effect of acclimation and glycerol injection on mortality and pupation in larvae of <i>Ephestia kuehniella</i> after exposures at low temperatures	143
SPRADBERY, J. P., A technique for artificially culturing ichneumonid parasites of woodwasps (Hymenoptera : Siricidae)	257
SUTHERLAND, O. R. W., Dormancy and lipid storage in the pemphigine aphid <i>Thecabius affinis</i>	348
TAYLOR, W. E. & BARDNER, R., Leaf injury and food consumption by larvae of <i>Phaedon cochleariae</i> (Coleoptera; Chrysomelidae) and <i>Plutella maculipennis</i> (Lepidoptera Plutellidae) feeding on turnip and radish	177
THIELE, G. F. & HARRISON, R. A., Selection of solvents for topical application acaricide testing	389
WEIDEMANN, H. L., Zur Morphologie der Hauptspeicheldrüse von <i>Myzus persicae</i>	450
YOUDEOWEI, A., The behaviour of a cotton stainer <i>Dysdercus intermedius</i> (Heteroptera, Pyrrhocoridae) in a temperature gradient and the effect of temperature on aggregation	68

Short Communications

FOGAL, W. H., Pigment development in male integument transplanted into females in the desert locust, <i>Schistocerca gregaria</i>	475
HUSAIN, A., Mating of <i>Aedes togoi</i> in cages	114
SUBBA, RAO, B. R., PARSHAD, B., RAM, A., SINGH, R. P. & SRIVASTAVA, M. L., Distribution of <i>Empoasca devastans</i> and its egg parasites in the Indian Union	250

Book Reviews

ANONYMUS. <i>Radioisotopes and ionizing Radiations in Entomology</i> - 3 by J. DE WILDE	255
C. W. STORTENBEKER. <i>Observations on Population Dynamics of the Red Locust</i> by Z. WALOFF	255
J. W. WRIGHT & R. PAL (Eds.). <i>Genetics of insect vectors of disease</i> by W. HELLE	256
Erratum	249
Editorial	1

